



AFP SURVEILLANCE

5-Jun-17

Week 22, ending 4 June 2017

Number 974

Table 1: Acute Flaccid Paralysis (AFP) cases by week of onset

Country	Reported AFP cases by week of onset - Week (22/17) / Ending on : 04/06/2017														
	Total AFP 2015	Total AFP 2016	Total AFP to date, 2017	W11 19 Mar 17	W12 26 Mar 17	W13 02 Apr 17	W14 09 Apr 17	W15 16 Apr 17	W16 23 Apr 17	W17 30 Apr 17	W18 07 May 17	W19 14 May 17	W20 21 May 17	W21 28 May 17	W22 04 Jun 17
Afghanistan	2738	2905	1269	52	68	70	63	77	59	49	72	65	74	30	5
Bahrain	19	14	10	0	0	1	2	0	0	1	0	0	0	0	1
Djibouti	3	3	4	1	0	0	0								
Egypt	1046	1092	523	28	26	26	30	21	21	21	24	31	31	9	
Iran	780	776	287	6	12	17	12	20	21	15	12	16	13	2	
Iraq	520	605	267	14	13	9	12	20	10	10	11	7	13	9	
Jordan ****	90	107	40	2	2	1	3	2	3	2	0	1	3	0	
Kuwait	32	50	28	7	2	3	2	2	0	1	1	2	0	0	0
Lebanon ****	113	111	38	1	2	1	1	2	1	0	2	1	1	0	1
Libya	54	70	42	0	4	4	0	4	1	0	1	3	2	1	
Morocco	79	83	47	1	2	1	2	3	5	1	2	3	1	1	
Oman	39	39	12	0	0	2	0	0	1	0	1	1	2	0	0
Pakistan	5814	7847	3661	196	174	182	167	231	185	147	157	173	132	29	0
Palestine ****	38	46	12	1	0	0	0	1	0	0	0	0	1	0	0
Qatar	11	9	6	0	0	0	0	1	0	0	0	0	0	0	0
Saudi Arabia	254	273	100	7	4	5	2	7	5	8	6	0	0	0	0
Somalia	281	316	160	8	9	8	6	8	6	10	6	6	10	3	0
Sudan	436	509	204	8	14	6	5	5	11	14	16	11	8	2	0
Syria ****	235	303	122	6	5	9	4	8	2	6	10	8	2	7	0
Tunisia	64	90	19	0	1	0	0	0	0	2	1	0	0	0	
U.A.E	31	42	26	0	1	1	0	1	2	2	0	2	2	0	0
Yemen	537	715	306	17	19	12	19	12	9	11	15	14	8	7	
Total EMR	13214	16005	7183	355	358	358	330	425	342	300	337	344	303	100	7

☐ No data = No report received

Table 2: Confirmed polio cases by month of onset

Country	Total year 2015	Total year 2016	04/06		Confirmed polio cases by month of onset											
			2016	2017	July 2016	August 2016	September 2016	October 2016	November 2016	December 2016	January 2017	February 2017	March 2017	April 2017	May 2017	June 2017
Afghanistan	20	13	6	3	0	2	2	2	0	1	2	1	0			
Bahrain	0	0	0	0	0	0	0	0	0	0	0	0	0			
Djibouti	0	0	0	0	0	0	0	0	0	0						
Egypt	0	0	0	0	0	0	0	0	0	0	0	0	0			
Iran	0	0	0	0	0	0	0	0	0	0	0	0	0			
Iraq	0	0	0	0	0	0	0	0	0	0	0	0	0			
Jordan ****	0	0	0	0	0	0	0	0	0	0	0	0	0			
Kuwait	0	0	0	0	0	0	0	0	0	0	0	0	0		0	
Lebanon ****	0	0	0	0	0	0	0	0	0	0	0	0	0			
Libya	0	0	0	0	0	0	0	0	0	0			0			
Morocco	0	0	0	0	0	0	0	0	0		0	0	0			
Oman	0	0	0	0	0	0	0	0	0	0	0	0	0			
Pakistan	54	20	11	2	1		2	2	1	1	1	1	0			
Palestine ****	0	0	0	0	0	0			0			0	0			
Qatar	0	0	0	0	0	0	0	0	0	0	0	0	0		0	
Saudi Arabia	0	0	0	0	0	0	0	0	0	0						
Somalia	0	0	0	0	0	0	0	0	0	0	0	0	0			
Sudan	0	0	0	0	0	0	0	0	0	0	0	0	0		0	
Syria ****	0	0	0	0	0	0	0	0	0	0	0	0	0			
Tunisia	0	0	0	0	0	0	0	0	0	0		0	0		0	
U.A.E	0	0	0	0	0	0	0	0	0	0	0	0	0			
Yemen	0	0	0	0	0	0	0	0	0	0	0	0	0			
Total EMR	74	33	17	5	1	2	4	4	1	2	3	2	0	0	0	0

**** UNRWA cases are included with those of country of residence



Table 3: Investigation of AFP cases with paralysis onset in 2016 & 2017 up to Week (22/17) / Ending on : 04/06/2017

COUNTRY	2016												2017												Latest line List Date
	AFP									Specimen	Wild cases ****		AFP									Specimen	Wild cases ****		
	Total AFP cases onset 2016	Case classification					Non polio AFP rate **	AFP cases pending classification > 90 days from onset of paralysis	AFP cases pending classification and lab > 90 days from onset of paralysis		% with *** adequate specimens	Wild P1 Poliovirus	Wild P3 Poliovirus	Total AFP cases onset 2017	Case classification					Annualized Non polio AFP rate **	AFP cases pending classification > 90 days from onset of paralysis		AFP cases pending classification and lab > 90 days from onset of paralysis	% with *** adequate specimens	
		Total Confirmed Polio Cases *	Polio Compatible	Pending Classification	Discarded (non polio AFP)	VDPV				Total Confirmed Polio Cases *					Polio Compatible	Pending Classification	Discarded (non polio AFP)	VDPV							
Afghanistan	2905	13	0	0	2891	1	14.4	0	0	92.2	13	0	1269	3	0	184	1082	0	14.5	10	0	93.1	3	0	04-06-2017
Bahrain	14	0	0	0	14	0	4.9	0	0	100.0	0	0	10	0	0	4	6	0	8.1	0	0	100.0	0	0	04-06-2017
Djibouti	3	0	0	0	3	0	1.0	0	0	33.3	0	0	4	0	0	4	0	0	3.2	3	3	100.0	0	0	10-04-2017
Egypt	1092	0	0	1	1091	0	2.9	1	0	94.1	0	0	523	0	0	96	426	1	3.2	1	0	94.1	0	0	01-06-2017
Iran	776	0	0	0	775	1	4.2	0	0	95.5	0	0	287	0	0	15	272	0	3.6	0	0	95.5	0	0	03-06-2017
Iraq	605	0	0	1	603	1	4.2	1	0	80.7	0	0	267	0	0	34	233	0	4.2	5	0	89.1	0	0	03-06-2017
Jordan	107	0	0	0	107	0	3.8	0	0	100.0	0	0	40	0	0	20	20	0	3.2	2	0	100.0	0	0	01-06-2017
Kuwait	50	0	0	0	50	0	5.7	0	0	90.0	0	0	28	0	0	2	26	0	7.5	0	0	85.7	0	0	04-06-2017
Lebanon	111	0	0	3	108	0	5.8	3	0	82.9	0	0	38	0	0	8	30	0	4.7	1	0	78.9	0	0	03-06-2017
Libya	70	0	0	0	70	0	3.4	0	0	97.1	0	0	42	0	0	10	32	0	4.8	4	2	92.9	0	0	03-06-2017
Morocco	83	0	0	0	83	0	0.8	0	0	61.4	0	0	47	0	0	20	27	0	1.1	4	0	68.1	0	0	02-06-2017
Oman	39	0	0	0	39	0	4.5	0	0	89.7	0	0	12	0	0	10	2	0	3.0	3	0	83.3	0	0	04-06-2017
Pakistan	7847	20	5	13	7807	2	10.0	13	6	87.4	20	0	3661	2	0	478	3181	0	11.1	94	3	89.6	2	0	04-06-2017
Palestine	46	0	0	0	46	0	2.4	0	0	97.8	0	0	12	0	0	2	10	0	1.5	0	0	100.0	0	0	04-06-2017
Qatar	9	0	0	0	9	0	3.0	0	0	100.0	0	0	6	0	0	2	4	0	4.8	1	0	83.3	0	0	04-06-2017
Saudi Arabia	273	0	0	0	273	0	2.8	0	0	98.2	0	0	100	0	0	53	47	0	2.5	4	4	99.0	0	0	04-06-2017
Somalia	316	0	0	0	315	1	5.5	0	0	99.1	0	0	160	0	0	28	132	0	6.5	0	0	98.1	0	0	04-06-2017
Sudan	509	0	0	0	509	0	2.8	0	0	97.6	0	0	204	0	0	12	192	0	2.7	2	0	99.0	0	0	04-06-2017
Syria	303	0	0	0	303	0	3.9	0	0	87.8	0	0	122	0	0	31	90	3	3.7	1	0	88.5	0	0	04-06-2017
Tunisia	90	0	0	0	89	1	3.4	0	0	77.8	0	0	19	0	0	2	17	0	1.6	1	1	68.4	0	0	02-06-2017
U.A.E	42	0	0	0	42	0	4.2	0	0	100.0	0	0	26	0	0	8	18	0	6.1	0	0	92.3	0	0	04-06-2017
Yemen	715	0	0	0	714	1	5.4	0	0	90.9	0	0	306	0	0	107	199	0	5.2	7	0	91.8	0	0	03-06-2017
EMR	16005	33	5	18	15941	8	6.4	18	6	89.8	33	0	7183	5	0	1130	6046	4	6.7	143	13	91.3	5	0	
2015	13214	74	15	1	13117	8	5.2	0	0	90.2	74	0													

* Confirmed polio cases refer to wild isolation from AFP cases or from contacts of negative index AFP cases

** Non-polio AFP per 100,000 children <15 years

*** Adequate here refers to two stool specimens collected at least 24 hours apart, within 14 days of paralysis onset

**** AFP cases co infected with P1 and P3 are counted separately as wild isolates



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Table 4 (a): Lab results of contacts' samples in EMR, 2016 - 2017

COUNTRY	2016						2017					
	# OF CONTACTS	WILD	VDPV	SL	NPEV	PENDING	# OF CONTACTS	WILD	VDPV	SL	NPEV	PENDING
AFG	1453	8		127	343		595			46	112	36
BAH							2					
DJI	9				9							
EGY	362			13	49	14	174			4	8	52
IRN	170			3	6		44			1		
IRQ	658			28	102	6	206			8	25	12
JOR												
KUW	78						8					2
LEB	210			11	2	20	20			2	3	3
LIB							4					1
MOR	82			1	7	7	16					
OMA	102			1	7	2	39			1	4	9
PAK	2503	5		181	525		1523			96	240	103
PAL												
QAT												
SAA												
SOM	930		1	50	110		485			26	53	82
SUD	228				18	19	93			4	1	42
SYR	679			9	17		267		1	1	1	18
TUN	20				1	1	9					
UAE							2					2
YEM	1723		2	37	277	5	834			38	60	392
EMR	9207	13	3	461	1473	74	4321	0	1	227	507	754

Table 4 (B): Most recent wild contacts in EMRO, 2016 - 2017

Year	Country	Data	Date of Most Recent stool collection
		Count of wild contacts	
2016	Pakistan	5	25-11-16
	Afghanistan	4	07-10-16
2016 Total		9	25-11-16

Table 4 (C): Number and distribution by district of -ve index AFP cases identified as wild positive by contact in EMR, 2016-2017

YEAR	COUNTRY	PROVINCE	DISTRICT	COUNT	First case	Last case
2016	AFG	KUNAR	SHIGAL WA SHEL TAN	1	26-02-16	26-02-16
		HILMAND	NAWZAD	1	23-01-16	23-01-16
		PAKTIKA	BERMEL	1	01-09-16	01-09-16
	AFG Total			3	23-01-16	01-09-16
	PAK	KHYBER PAKHTOON	KOHISTAN	1	03-09-16	03-09-16
		SINDH	BADIN	1	10-10-16	10-10-16
PAK Total			2	03-09-16	10-10-16	



Table 5: Laboratory investigation of AFP cases with paralysis onset in 2017 up to Week (22/17) / Ending on : (04/06/2017)

Country	Polio laboratories Sequencing performed by EGY, PAK, TUN, CDC and RIVM laboratories	AFP cases with specimens	Preliminary virus isolation results of AFP cases						Poliovirus intratypic differentiation results #										Indicators				Latest report Date			
			Referred for ITD		NPEV only	Negative	Pending		Type 1			Type 2			Type 3			Discordant pending sequence	NPEV by PCR	Non-EV	Pending ITD	% specimens positive for NPEV*		% AFP cases with culture results within 14 days	% AFP cases with ITD results within 7 days	% AFP cases with ITD results within 45 days of onset**
			L20B+	L20B+/NPEV			received < / = 14 days	received > 14 days ago	Wild	Sabin	VPV	Wild	Sabin	VPV	Wild	Sabin	VPV									
Afghanistan	RRL Pakistan	1228	121	16	164	819	108		3	96							1			14%	100%	99%	98%	03/06/2017		
Bahrain	PNL Oman	9				9														0%	100%		100%	29/05/2017		
Djibouti	NPL Kenya	4					4																	10/04/2017		
Egypt***	RRL Egypt	519	14	1	62	402	38	2		10			1		4		2	1		10%	100%	100%	99%	02/06/2017		
Iran	NPL Iran	293	3		3	267	19	1		2					2					1%	99%	100%	100%	03/06/2017		
Iraq	RRL Egypt	272	17		34	198	21	2		14		1		17						12%	100%	100%	94%	01/06/2017		
Jordan	RRL EGYPT	40	1		4	33	2							1						10%	100%	100%	100%	04/06/2017		
Kuwait	RRL Kuwait	27			1	24		2												2%	92%		100%	08/05/2017		
Lebanon	NPL Jordan	36	1		3	31	1													12%	100%			04/06/2017		
Libya	RRL Tunisia	37			1	33	1	2												1%	100%		91%	26/05/2017		
Morocco	NPL Morocco	39			2	33	4													6%	100%		97%	02/06/2017		
Oman	NPL Oman	12			4	6	2													22%	100%		100%	29/05/2017		
Pakistan	RRL Pakistan	3859	216	10	583	2732	310	3	2	122		7		153			2			14%	100%	100%	97%	03/06/2017		
Palestine & UNRWA		12			5	6		1												45%	10%		100%	21/05/2017		
Qatar	NPL Oman	6				6														0%	100%		100%	29/05/2017		
Saudi Arabia	NPL Oman	100			16	80		4												12%	98%		100%	22/05/2017		
Somalia	NPL Kenya	160	14	2	18	98	7	21		10				13				1		15%	30%		99%	04/06/2017		
Sudan	RRL Egypt	205	7		19	169	10			4				3			1			9%	100%	100%	100%	04/06/2017		
Syria	RRL Egypt	118	5		3	89	21			2			2	4						2%	99%	100%	60%	01/06/2017		
Tunisia	RRL Tunisia	26			2	21	2	1												4%	100%		100%	26/05/2017		
U.A.E	NPL Oman	18	1		2	15				1				1						11%	100%	100%	44%	29/05/2017		
Yemen	RRL Egypt	204	20	3	28	153				11				18			2			12%	100%	100%	37%	02/06/2017		
Total EMR 2017		7224	420	32	954	5224	546	43	5	272		8	3	314		1	2	23	3	1	12%	98%	100%	95%		
Total EMR 2016		15748	823	93	2781	12036		12	28	483		87	6	566	1	2	23	3	4	15%	95%	98%	94%			

* Specimens from all sources including non-AFP cases, excluding environmental samples

** This indicator reflects surveillance and laboratory activities



Table 6: Environmental isolate by year and type

Country	Status	2010	2011	2012	2013	2014	2015	2016	2017
AFG	NEGATIVE				9	78	129	183	99
	PENDING								20
	WILD					17	20	2	5
AFG Total					9	95	149	185	124
EGY	NEGATIVE	183	178	196	304	410	412	528	206
	PENDING								17
	WILD			2					
	VDPV1			1		1			
	VDPV2			7	3	2	3	1	
EGY Total		183	178	206	307	413	415	529	223
JOR	NEGATIVE							2	14
	PENDING								
JOR Total								2	14
LEB	NEGATIVE							4	8
	PENDING								2
LEB Total								4	10
PAK	NEGATIVE	77	68	151	257	237	347	462	195
	PENDING								22
	WILD	79	136	88	63	125	79	59	46
	WILD & VDPV2				2	6	5	3	
	VDPV2					4	8	5	3
PAK Total		156	204	239	322	372	439	529	266
EMR	NEGATIVE	260	246	347	570	725	888	1179	522
	PENDING								61
	WILD	79	136	90	63	142	99	61	51
	WILD & VDPV2				2	6	5	3	
	VDPV1			1		1			
VDPV2			7	3	6	11	6	3	
EMR Total		339	382	445	638	880	1003	1249	637

Table 7: Environmental Wild/VDPV isolate by site

Year	Country	Status	Province	District	Count	First date	Last date	
2016	AFG	WILD1	HILMAND	NAHR-E-SARAJ	1	23-Dec	23-Dec	
			NANGARHAR	JALALABAD	1	26-Dec	26-Dec	
	AFG Total					2	23-Dec	26-Dec
	EGY	VDPV2	SOUTH SINIA	EL TUR	1	15-Mar	15-Mar	
	EGY Total					1	15-Mar	15-Mar
	PAK	WILD1	BALOCHISTAN	KHYBER PAKHTUNKHWA	KABDULLAH	6	15-Jan	2-Dec
					PISHIN	4	2-Aug	16-Sep
				QUETTA	11	12-Feb	20-Nov	
					DIKHAN	1	16-Jul	16-Jul
				PESHAWAR	10	11-Jan	10-Dec	
					DERA GHAZI KHAN	1	12-May	12-May
				PUNJAB	FAISALABAD	2	3-Feb	2-Jul
					LAHORE	3	5-Aug	18-Oct
			SINDH	MULTAN	2	8-Nov	8-Dec	
				RAWALPINDI	4	14-Apr	10-Dec	
				HYDERABAD	1	5-Jan	5-Jan	
				JACOBABAD	3	4-Feb	16-Aug	
				KHIBALDIA	1	14-Jul	14-Jul	
				KHIGADAP	4	27-Jan	9-Mar	
				KHIGIQBAL	2	18-Jan	15-Mar	
KHILANDHI				1	14-Dec	14-Dec		
WILD1+VDPV2	BALOCHISTAN	QUETTA	3	20-Oct	12-Dec			
	VDPV2	BALOCHISTAN	QUETTA	4	20-Jun	28-Dec		
		SINDH	HYDERABAD	1	11-Jul	11-Jul		
PAK Total					67	5-Jan	28-Dec	
2016 Total					70	5-Jan	28-Dec	
2017	AFG	WILD1	HILMAND	LASHKARGAH	1	26-Apr	26-Apr	
			KANDAHAR	KANDAHAR	2	26-Jan	9-Mar	
			NANGARHAR	JALALABAD	2	24-Jan	25-Mar	
	AFG Total					5	24-Jan	26-Apr
	PAK	WILD1	BALOCHISTAN	KHYBER PAKHTUNKHWA	KABDULLAH	8	1-Jan	1-May
					PISHIN	4	2-Jan	3-Apr
				QUETTA	8	1-Jan	12-May	
					CDA	4	10-Feb	10-May
				PUNJAB	PESHAWAR	4	10-Jan	10-May
			SINDH	MULTAN	1	9-Jan	9-Jan	
				RAWALPINDI	4	10-Jan	10-May	
				KHIGADAP	6	9-Jan	8-May	
			VDPV2	BALOCHISTAN	KHIGIQBAL	3	3-Feb	8-Apr
					KHILANDHI	3	16-Mar	16-May
				SUKKUR	1	11-Apr	11-Apr	
		PISHIN	1	2-May	2-May			
		QUETTA	2	3-Apr	1-May			
PAK Total					49	1-Jan	16-May	
2017 Total					54	1-Jan	16-May	



Figure 1: Non Polio AFP Rate and Wild Virus in EMR 01/01/2017 - 04/06/2017

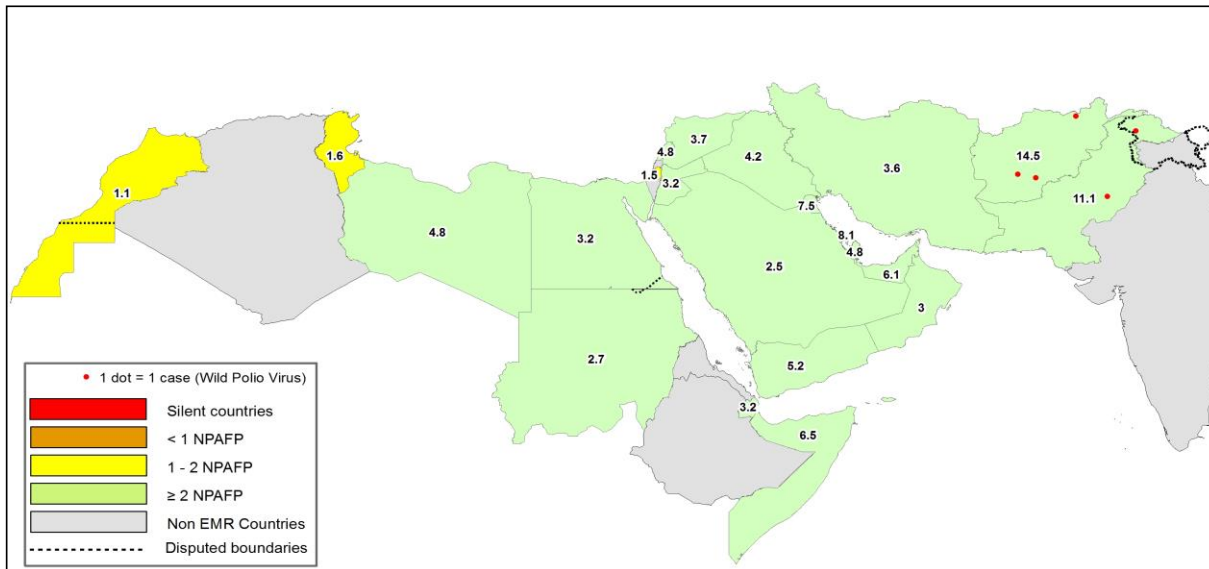


Figure 2: Percent of AFP cases with Adequate Samples & Compatible Cases in EMR 01/01/2017 - 04/06/2017

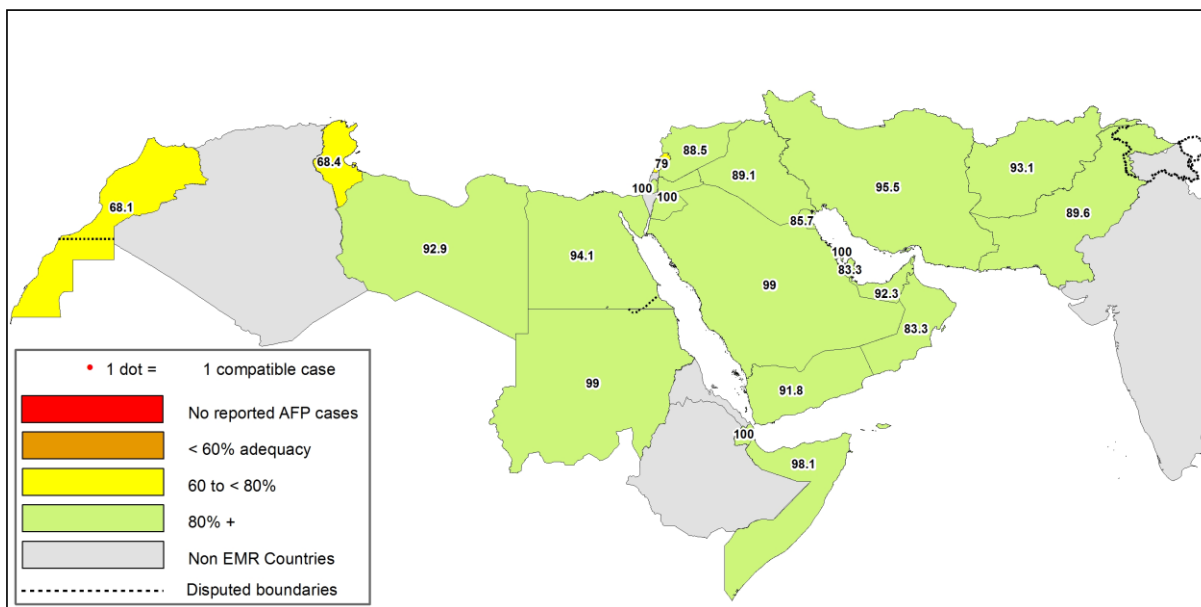


Table 8: Wild polio cases by country and date of onset of paralysis in EMR, 2016 - 2017

Year	COUNTRY	P1		
		Count	First Case	Last Case
2016	AFG	13	23-01-16	16-12-16
	PAK	20	17-01-16	22-12-16
2016 Total		33	17-01-16	22-12-16
2017	AFG	3	13-01-17	21-02-17
	PAK	2	28-01-17	13-02-17
2017 Total		5	13-01-17	21-02-17

Last reported wild Polio P3 from Pakistan with date of onset 18/04/2012



Figure 3: Non Polio AFP rate by District in Afghanistan & Pakistan 01/01/2017 - 04/06/2017

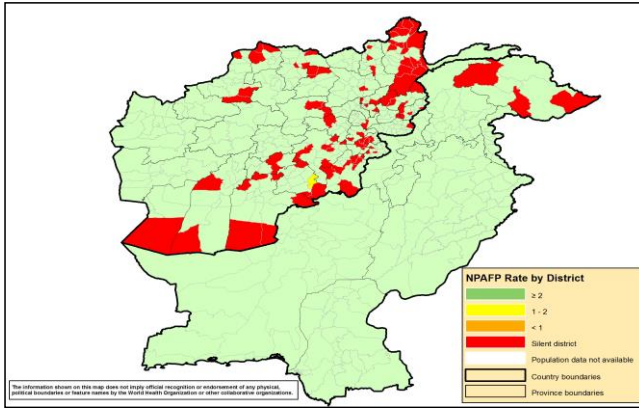


Figure 4: Percent of AFP cases with Adequate Samples in Afghanistan & Pakistan by District 01/01/2017 - 04/06/2017

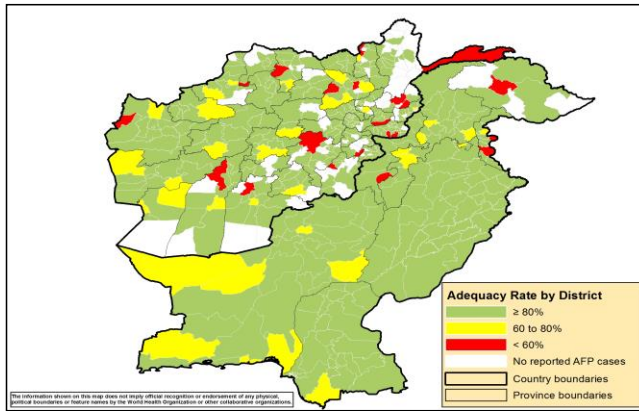
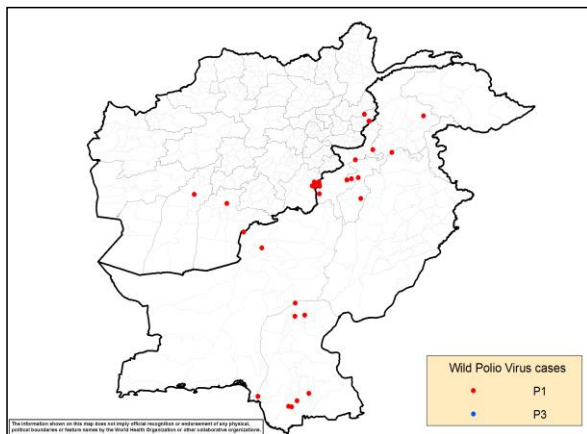


Figure 5: Wild Virus Cases by Type & District in Afghanistan & Pakistan

5a: 01/01/2016 - 31/12/2016



5b: 01/01/2017 - 04/06/2017

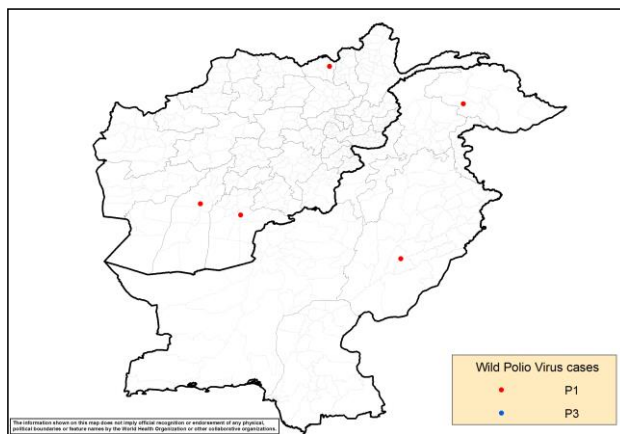




Table 9: Wild Polio cases by district and date of onset of paralysis, Afghanistan 2016-2017

ONSETYR	PROVINCE	DISTRICT	Count	First case	Last case
2016	PAKTIKA	BERMEL	7	02-08-16	16-12-16
	KUNAR	SHIGAL WA SHEL TAN	4	01-02-16	29-05-16
	KANDAHAR	SHAHWALIKOT	1	04-04-16	04-04-16
	HILMAND	NAWZAD	1	23-01-16	23-01-16
2016 Total			13	23-01-16	16-12-16
2017	KUNDUZ	DASHT-E-ARCHI	1	21-02-17	21-02-17
	HILMAND	NAHR-E-SARAJ	1	21-01-17	21-01-17
	KANDAHAR	KANDAHAR	1	13-01-17	13-01-17
2017 Total			3	13-01-17	21-02-17

Table 10: Wild Polio cases by district and date of onset of paralysis, Pakistan 2016-2017

ONSETYR	PROVINCE	DISTRICT	Count	First case	Last case
2016	BALOCHISTAN	KABDULAH	1	22-12-16	22-12-16
		QUETTA	1	01-02-16	01-02-16
	SINDH	SUJAWAL	2	03-09-16	03-11-16
		BADIN	2	10-10-16	16-10-16
		SHIKARPUR	2	05-03-16	12-04-16
		JACOBABAD	1	10-02-16	10-02-16
		KHIGADAP	1	17-01-16	17-01-16
		KHYBER PAKHTOON	KOHISTAN	1	03-09-16
	KHYBER PAKHTOON	DIKHAN	1	06-06-16	06-06-16
		BANNU	3	22-03-16	26-04-16
		PESHAWAR	1	12-02-16	12-02-16
		HANGU	1	09-02-16	09-02-16
		NOWSHERA	1	22-01-16	22-01-16
	FATA	WAZIR-S	2	18-06-16	27-07-16
2016 Total			20	17-01-16	22-12-16
2017	GILGIT BALTISTAN	DIAMIR	1	13-02-17	13-02-17
	PUNJAB	LODHRAN	1	28-01-17	28-01-17
2017 Total			2	28-01-17	13-02-17

Table 11: Circulating VDPV cases and date of onset of paralysis in EMR countries by districts 2016 - 2017

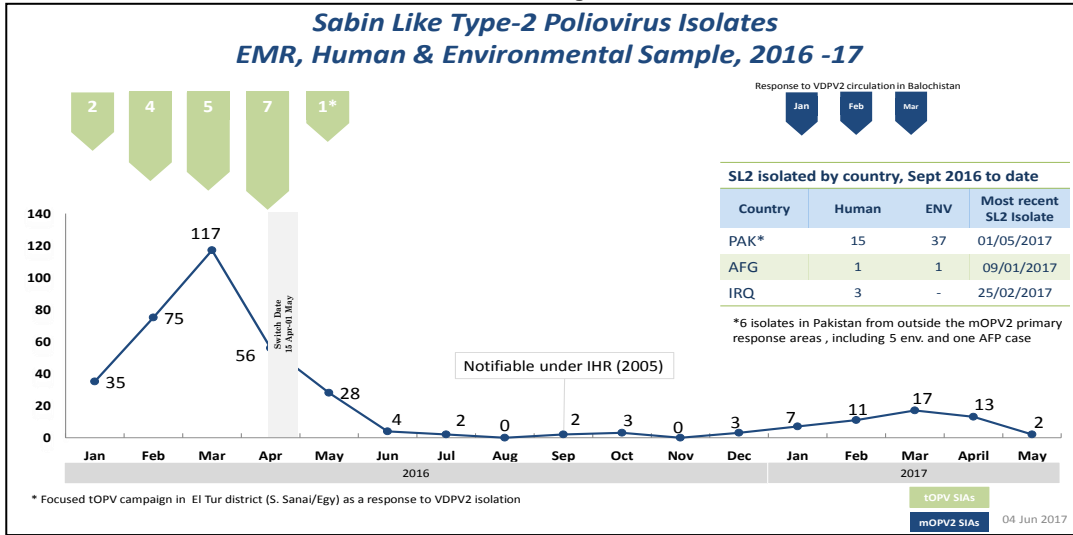
Year	COUNTRY	PROVINCE	DISTRICT	cVDPV2		
				Count	First Case	Last Case
2016	PAK	BALOCHISTAN	QUETTA	1	17-12-16	17-12-16
	PAK Total			1	17-12-16	17-12-16
2016 Total				1	17-12-16	17-12-16
2017	SYR	DEIR_AL_ZOUR	MAYADEEN	3	03-03-17	06-05-17
	SYR Total			3	03-03-17	06-05-17
2017 Total				3	03-03-17	06-05-17



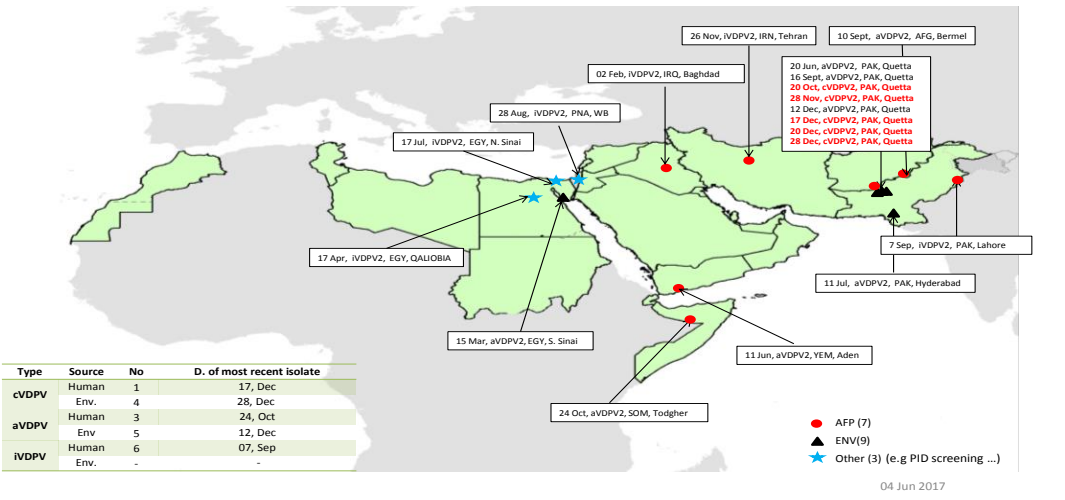
Table 12: VDPV2 and Sabin Like 2 isolates, EMRO countries 2016 - 2017

Country	Poliovirus type 2 by month																			
	Source	2016										2017								
		May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	VDPV2	SL2	VDPV2	SL2	VDPV2	SL2
AFG	AFP	1						1	1											
	Contact	1																		
	ENV													1						
	Others*																			
BAH	AFP																			
	Contact																			
	Others*																			
DJI	AFP																			
	Contact																			
	Others*																			
EGY	AFP	1																		
	Contact														1					
	ENV	8																		
	Others*	1		1																
IRN	AFP	1									1									
	Contact																			
	Others*																			
IRQ	AFP									1						1				
	Contact																			
	Others*																			
JOR	AFP																			
	Contact																			
	ENV																			
	Others*																			
KWT	AFP																			
	Contact																			
	Others*																			
LEB	AFP																			
	Contact																			
	ENV																			
	Others*																			
LIB	AFP																			
	Contact																			
	Others*																			
MOR	AFP																			
	Contact																			
	Others*																			
OMA	AFP																			
	Contact																			
	Others*																			
PAK	AFP	3						1					1	2						
	Contact	1													1		5		1	
	ENV	9	1	3	1	1		1	1	2	1		3		5	9	11	1	8	2
	Others*																		2	2
PNA	AFP																			
	Contact																			
	Others*					1														
QAT	AFP																			
	Contact																			
	Others*																			
SAA	AFP																			
	Contact																			
	Others*																			
SUD	AFP																			
	Contact																			
	Others*																			
SOM	AFP			1		1				1										
	Contact																			
	Others*																			
SYR	AFP	1																	1	
	Contact																			
	Others*																			
TUN	AFP																			
	Contact																			
	Others*																			
UAE	AFP																			
	Contact																			
	Others*																			
YEM	AFP	1	1**																	
	Contact	1	1**																	
	Others*																			
EMR	AFP	8	1	1		1			2	1	1	1	1	3		1	1	1	5	1
	Contact	3	1																	1
	ENV	17	1	3	1	1			1	1	1	2	1	3		6	9	11	1	8
	Others*	1			1		1												2	2

VDPV2
 *Other: Healthy children, PIDs
 ** VDP2 isolated from index and contact at the same time



VDPV2 isolates, EMR countries, 2016



VDPV2 isolates, EMR countries, 2017

